



Low-density inorganic moulding and process for producing it

| Bibliographic data | Description | Claims | INPADOC legal status |
|---|-------------|--------|--|
| Publication number: AU4039893 (A) | | | Also published as: |
| Publication date: 1993-11-18 | | |  WO9321126 (A1) |
| Inventor(s): HAACK THEO; RANDEL PETER | | |  JP7506326 (T) |
| Applicant(s): HUELS TROISDORF | | | |
| Classification: | | | |
| - international: C04B12/04; B28B1/50; B28B3/02; C04B14/02; C04B14/18; C04B14/20; C04B18/10; C04B28/00; C04B28/26; C09K21/02; C04B12/00; B28B1/50; B28B3/02; C04B14/02; C04B18/04; C04B28/00; C09K21/00; (IPC1-7): C04B28/00; C04B28/26 | | | |
| - European: B28B1/50; C04B28/00G | | | |
| Application number: AU19930040398 19930413 | | | |
| Priority number(s): DE19924212229 19920411; DE19924236855 19921031 | | | |
| View INPADOC patent family | | | |
| View list of citing documents | | | Report a data error here |
| Abstract not available for AU 4039893 (A) | | | |
| Abstract of corresponding document: WO 9321126 (A1) | | | |
| <p>The description relates to a process for producing light, at least largely inorganic mouldings with a density < 400 kg/m³. To this end a light microporous filler with a powder density < 150 kg/m³ is bonded with a geopolymer. The fillers used are, in particular, blown perlite and vermiculite. The geopolymer is produced by a stone-forming component, especially an oxide mixture containing silicon and aluminium oxides and an alkaline silicate solution as the hardener. The moulding compound consisting of the stone-forming component, the microporous filler and the hardener is poured into a possibly heated mould, pressed with a reduction in volume and removed from the mould after less than 3 min. The mouldings obtained contain a continuous phase of geopolymer with a dispersed phase of the light, microporous fillers. The mouldings have excellent resistance to temperature variations, a high temperature resistance, light weight and low heat conductivity.</p> | | | |
| Data supplied from the esp@cenet database — Worldwide | | | |